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NOTICE OF ALLOWANCE AND FEE(S) DUE

70813

7590

11/28/2008

GOODWIN PROCTER LLP 901 NEW YORK AVENUE, N.W. WASHINGTON, DC 20001 EXAMINER

SPOONER, LAMONT M

ART UNIT PAPER NUMBER

2626 DATE MAILED: 11/28/2008

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
_	09/835,400	04/17/2001	George Hamilton Harvey	PMC-002	5160

TITLE OF INVENTION: SYSTEM AND METHOD FOR STORING DATA USING A MACHINE READABLE VOCABULARY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	03/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further ndicated unless correcte naintenance fee notifica	correspondence including ed below or directed oth tions.	ng the Patent, advance on herwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	naintenance fees w pondence address;	rill be and/or	mailed to the current of (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
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								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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SPOONER, I	LAMONT M	2626	704-010000					
. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a sregistered attorney	of a single firm (having as a member a torney or agent) and the names of up to patent attorneys or agents. If no name is				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	oletion of this form is NO	data will appear on the Tasubstitute for filing (B) RESIDENCE: (C	he pa g an a CITY	tent. If an assignous ssignment. and STATE OR C	OUNT	TRY)	cument has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	<u> </u>	Individual 🖵 Co	rporati	on or other private grou	up entity Government
a. The following fee(s) Issue Fee Publication Fee (N Advance Order - =	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 							
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Authorized Signature					Date			
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GOODWIN PRO	OCTER LLP	SPOONER, LAMONT M			
901 NEW YORK AVENUE, N.W.			ART UNIT	PAPER NUMBER	
WASHINGTON,	DC 20001		2626		
			DATE MAILED: 11/28/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 668 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 668 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	09/835,400	HARVEY ET AL.	
Notice of Allowability	Examiner	Art Unit	
	LAMONT M. SPOONER	2626	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to amendment filed 7/22	(OR REMAINS) CLOSED in the or other appropriate communic GHTS. This application is subpand MPEP 1308.	is application. If not included cation will be mailed in due course. THIS	
2. ☑ The allowed claim(s) is/are 29-35 and 42-46.			
 Acknowledgment is made of a claim for foreign priority unally all blooms. Comments of the comments have all certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies all copies of the priority documents have all copies all co	been received. been received in Application Notements have been received in	No this national stage application from the	
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5. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposit of the depos	st be submitted. son's Patent Drawing Review (s Amendment / Comment or in s84(c)) should be written on the che header according to 37 CFR 1	PTO-948) attached the Office action of Irawings in the front (not the back) of .121(d). IAL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sum Paper No./Ma 7. ☐ Examiner's An	il Date	

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DETAILED ACTION

Introduction

1. This office action is in response to applicant's amendment filed 5/02/08. Claims 29-35, and 42-46 are currently pending and have been examined.

Response to Arguments

2. Applicant's amendment, canceling 35 USC 101 rejected claims 14-17 and 36-41 have been noted and applicant's remarks addressing previously noted allowable claims 29-35 and 42-46 have been considered. The 35 USC 101 rejection of 14-17 and 36-41 have been withdrawn.

Allowable Subject Matter

- 3. Claims 29-35, and 42-46 are allowed.
- 4. The following is a statement of reasons for the indication of allowable subject matter:

The above claims are deemed to be directed to a non-obvious improvement over the invention patented in Ausborn (US 5,056,021).

Regarding claim 29, the improvement comprising representing **each root** of a set of roots with **a value** based on a definitional tree-type structure, **each root including a <u>plurality of common fields</u>** representing <u>levels of the common fields</u>.

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the tree-type structure, each specific field included in a specific root having a value corresponding to the meaning of the specific root at a level of the tree-type structure represented by the specific field; representing a data concept by grouping a plurality of roots selected from the set of roots to form a word, each root of the plurality of roots corresponding to a characteristic of the data concept represented by the word; and storing the word.

As per claim 42, the improvement comprising forming a tree-type taxonomy for word roots, the upper level of the taxonomy divided into a plurality of classes, each class divided into a plurality of subclasses at a lower level of the taxonomy, each level of the taxonomy represented by a field in each word root; combining a plurality of the word roots to form a word, each word root forming the word representing a characteristic of the word; and storing the word.

5. The dependent claims, 30-35, and 43-46 are allowed, as their parent claims have been deemed allowable.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAMONT M. SPOONER whose

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telephone number is (571)272-7613. The examiner can normally be reached on 8:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on 571/272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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10/23/08

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/Patrick N. Edouard/ Supervisory Patent Examiner, Art Unit 2626 Page 5